

Appl. No. : 09/684,150
Filed : October 6, 2000

~~1~~ determining the size of said foot imprint; and

determining the curvature of one or more portions of said foot imprint.

~~2~~ 9. A method of determining the size and shape of a foot comprising:

obtaining scanned image data of an imprint of the foot at one or more points, said image data including a luminance value;

determining a depth of the imprint at one or more points with said luminance value at said one or more points and a slope of the luminance value at said one or more points.

Please add the following new claim:

~~3~~ 19. A method of determining the size and shape of a foot comprising:

scanning an imprint of a foot to obtain pixel image data regarding the imprint at a plurality of points, said pixel image data including RGB color data;

determining the depth of said imprint at one or more points comprising the following steps:

converting said RGB data at one or more points to YIQ data; and

determining the depth of said imprint at one or more points from the Y component of said data at said one or more points and the slope of the Y component at said one or more points;

determining the size of said foot from said imprint by:

enhancing said image by passing said pixel image data through a low pass filter; and

measuring the size of said imprint generated from said filtered data; and